

LISTING OF CLAIMS

1. (Currently Amended) A film-forming composition comprising a continuous aqueous phase and a dispersed phase, the dispersed phase comprising (i) a particulate polymer or emulsified liquid prepolymer, and (ii) a coalescent aid comprising an ester having the formula RCOOX wherein (a) R and X are independently hydrocarbyl or substituted hydrocarbyl, (b) and at least one of R and X comprises at least two unsaturated aliphatic carbon-carbon bonds, and (c) the weight of the ester is (i) about 0.1% to about 4% of the weight of the particulate polymer or liquid prepolymer and (ii) at least about 50% of the coalescent aid.
2. (Original) The film-forming composition of claim 1 wherein R and X independently comprise about 1 to about 30 carbon atoms.
3. (Original) The film-forming composition of claim 1 wherein R and X independently comprise about 1 to about 30 carbon atoms and, in combination, contain no more than about 35 carbon atoms.
4. (Original) The film-forming composition of claim 1 wherein R and X each contain an unsaturated carbon-carbon bond.
5. (Original) The film-forming composition of claim 1 wherein R comprises at least two unsaturated carbon-carbon bonds in conjugation.
6. (Original) The film-forming composition of claim 1 wherein R or X is substituted hydrocarbyl and the hydrocarbyl substituent is selected from the group consisting of ketones, esters, alcohols, amides, halogens, urea, urethane, and nitrile substituents.
7. (Original) The film-forming composition of claim 1 wherein the ester is prepared by the transesterification reaction between a fatty acid and a glycol.
8. (Currently Amended) The film-forming composition of claim 1 wherein the ester is an ester derived from a fatty acid of corn oil, sunflower oil, safflower oil, soybean oil, canola oil, or linseed oil.

9. (Original) The film-forming composition of claim 1 wherein the ester is an ethylene glycol monoester derived from a fatty acid of soybean oil.

10. (Original) The film-forming composition of claim 1 wherein the ester is an diethylene glycol monoester derived from a fatty acid of soybean oil.

11. (Original) The film-forming composition of claim 1 wherein the ester is a propylene glycol monoester derived from a fatty acid of soybean oil.

12. (Original) The film-forming composition of claim 1 wherein the ester is a dipropylene glycol monoester derived from a fatty acid of soybean oil.

13. (Original) The film-forming composition of claim 1 wherein the ester is a methyl ester derived from a fatty acid of soybean oil.

14. (Original) The film-forming composition of claim 7 wherein the fatty acid is a fatty acid derived from soybean oil.

15. (Canceled)

16. (Canceled)

17. (Original) The film-forming composition of claim 1 wherein the continuous aqueous phase constitutes at least about 20 wt. % of the film-forming composition.

18. (Currently Amended) The film-forming composition of claim 17 wherein the ester is an ester derived from a fatty acid of corn oil, sunflower oil, safflower oil, soybean oil, canola oil, or linseed oil.

19. (Original) The film-forming composition of claim 1 wherein the dispersed or continuous aqueous phase further comprises an additive selected from the group consisting of wetting aids, dispersants, thickeners, defoaming agents, biocides, algicides, ultra-violet inhibitors, flow agents, levelling agents, reology modifiers, freeze thaw stabilizing agents, pH modifiers, flash rust inhibitors, and biocides.

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Canceled)

24. (Currently Amended) The film-forming composition of claim 1 [23] wherein the film-forming composition contains at least about 20 wt. % water.

25. (Currently Amended) The film-forming composition of claim 1 [23] wherein the film-forming composition contains at least about 20 wt. % water, and at least about 10 wt. % particulate polymer or liquid pre-polymer, ~~and the weight of the ester is about 0.1 % to about 50 % of the weight of the particulate polymer or liquid pre-polymer.~~

26. (Canceled)

27. (Canceled)

28. (Original) The film-forming composition of claim 1 wherein at least 95 wt.% of the ester is dissolved in the particulate polymer or liquid pre-polymer.

29. (Original) The film-forming composition of claim 1 wherein the continuous aqueous phase contains less than about 10 wt. % organic solvent.

30. (Original) The film-forming composition of claim 1 wherein at least 95 wt.% of the ester is dissolved in the particulate polymer or liquid pre-polymer and the continuous aqueous phase contains less than about 10 wt. % organic solvent.

31. (Currently Amended) The film-forming composition of claim 30 wherein the film-forming composition contains at least about 20 wt. % water, and at least about 10 wt. % particulate polymer or liquid pre-polymer, ~~and the weight of the ester is about 0.1 % to about 50 % of the weight of the particulate polymer or liquid pre-polymer.~~

32. (Canceled)

33. (Canceled)

34. (Currently Amended) The film-forming composition of claim 1 wherein the A film-forming composition comprising at least about 10 wt. % of a continuous aqueous phase and a dispersed phase, the dispersed phase comprising (i) a particulate polymer or emulsified liquid prepolymer, and (ii) a coalescent aid comprising an ester is derived from a fatty acid contained in an oil found in a plant or animal; the ester having the formula RCOOX wherein (a) R and X are independently hydrocarbyl or substituted hydrocarbyl and at least one of R and X comprises at least two unsaturated carbon-carbon bonds.

35. (Original) The film-forming composition of claim 34 wherein at least 95 wt. % of the ester is dissolved in the particulate polymer or liquid pre-polymer and the continuous aqueous phase contains less than about 10 wt. % organic solvent, based upon the weight of the continuous phase.

36. (Currently Amended) The film-forming composition of claim 35 wherein the film-forming composition contains at least about 20 wt. % water, and at least about 10 wt. % particulate polymer or liquid pre-polymer; ~~and the weight of the ester is about 0.1 % to about 50 % of the weight of the particulate polymer or liquid pre-polymer.~~

37. (Canceled)

38. (Canceled).